



NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE

USDA, NASS, Kentucky Field Office  
PO Box 1120  
Louisville, Kentucky 40201-1120  
(502) 582-5293 or 1-800-928-5277

# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

LELAND E. BROWN, Director

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**AGRICULTURAL NEWS:** The much needed rains of the previous week were replaced by temperatures that averaged 5 degrees above normal with increased humidity. A late week storm created winds that caused some wind damage in the central part of the State. The increased heat has created a new demand for additional precipitation. **Topsoil moisture** as of Friday, July 22, was rated 5 percent very short, 22 percent short, 69 percent adequate, and 4 percent surplus. **Subsoil moisture** was rated 9 percent very short, 32 percent short, 57 percent adequate, and 2 percent surplus. Fieldwork for the week ending July 22, averaged 4.5 days out of a possible 7 days. The primary fieldwork involved topping and spraying of tobacco, and the harvesting of hay and the clipping of pastures.

**TOBACCO:** Tobacco conditions were mixed across the State. The recent heat has put tobacco under duress again in western Kentucky. Disease presence was limited with the most commonly reported problem affecting the tobacco being black shank. In addition, there was hardly any concern about weed or insect problems. As of Friday, July 22 the condition of set tobacco was reported as 3 percent very poor, 12 percent poor, 27 percent fair, 51 percent good, and 7 percent excellent. Forty percent of burley tobacco was blooming or beyond, which was behind both last year's 49 percent and the 5 year average of 46 percent. Nineteen percent of burley tobacco has been topped, behind both last year and the 5 year average at 22 percent. Dark tobacco blooming was 50 percent, which was ahead of both last year and the 5 year average of 48 percent.

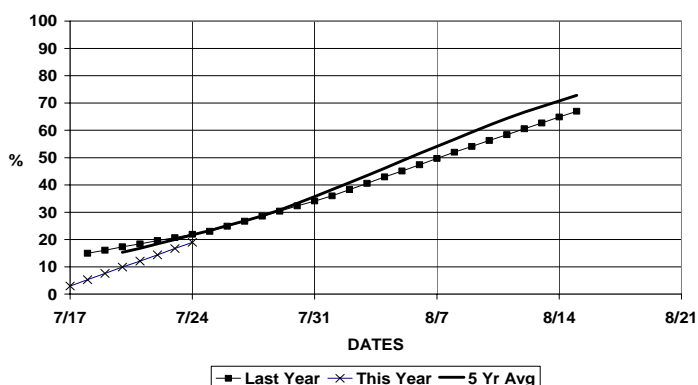
**CORN:** The general opinion seems to be that the corn crop will produce normal yield potential barring

any other problems after the timely rain. The condition of the corn was rated 2 percent very poor, 7 percent poor, 30 percent fair, 40 percent good, and 21 percent excellent. Ninety-four percent of the corn has silked or was silking as of Sunday, July 24, just ahead of last year's 91 percent, and the 5 year average of 83 percent. Fifty-seven percent of corn was in the milk stage or beyond. This was behind last year's 58 percent, but ahead of the 5 year average of 54 percent. Twenty-two percent of the corn has reached the dough stage or beyond, behind both the 26 percent of last year and the 5 year average of 28 percent.

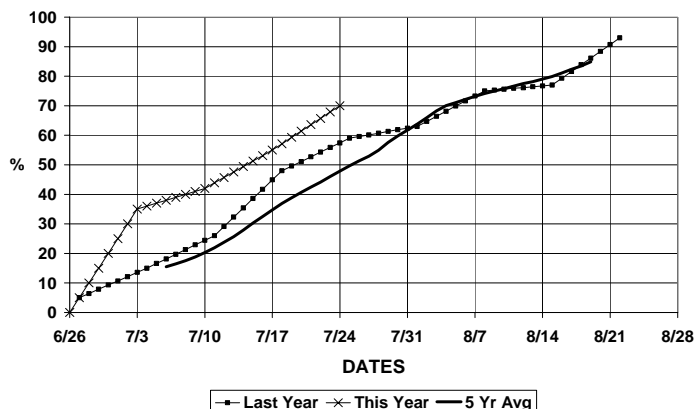
**SOYBEANS:** As of Sunday, July 24, 70 percent of soybeans were blooming, well ahead of last year's 57 percent, and even better than the five year average of 48 percent. Forty-six percent of the soybeans were setting pods or beyond. This is ahead of both last year's 30 percent, and the 5 year average of 22 percent. The soybean condition was rated 2 percent very poor, 3 percent poor, 19 percent fair, 57 percent good, and 19 percent excellent. Soybeans were the crop least affected by the dry weather, but the recent rains and warm conditions have boosted the crops development.

**OTHER CROPS:** Growing conditions for hay were greatly improved but the lingering affects of the long dry spell remain. Hay condition as of Friday, July 22 was rated 4 percent very poor, 19 percent poor, 40 percent fair, 29 percent good, and 8 percent excellent. Visually, pasture conditions seem to have experienced the greatest improvement over the past week. Pasture condition as of Friday, July 22 was rated 7 percent very poor, 23 percent poor, 40 percent fair, 27 percent good, and 3 percent excellent.

BURLEY TOBACCO PERCENTAGE TOPPED



SOYBEANS PERCENT BLOOMING



## KENTUCKY CROP PROGRESS

WEEK ENDING JULY 24, 2005  
WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	70	57	48	55	63
Setting Pods	46	30	22	15	16
Corn					
Silking	94	91	83	79	49
Milk Stage	57	58	54	45	NA
Dough Stage	22	26	28	0	6
Burley Tobacco					
Blooming	40	49	46	22	NA
Topped	19	22	22	3	NA
Dark Tobacco					
Blooming	50	48	48	35	NA

(NA)Data Not Available.

## SOIL MOISTURE

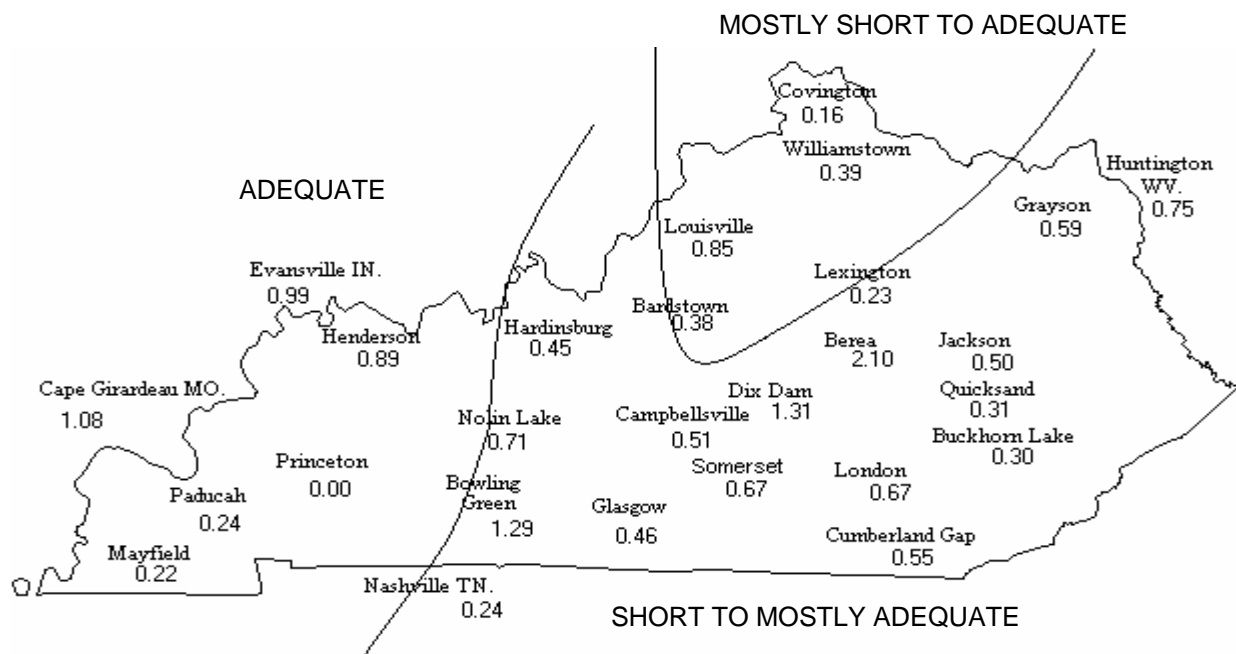
WEEK ENDING JULY 22, 2005  
WITH COMPARISONS

	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	5	9
Short	22	23
Adequate	69	58
Surplus	4	10
<b>SUBSOIL</b>		
Very Short	9	14
Short	32	26
Adequate	57	56
Surplus	2	4

## KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING JULY 22, 2005						WEEK ENDING JULY 15, 2005				
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT
Corn	2	7	30	40	21	4	10	25	43	18
Soybeans	2	3	19	57	19	2	4	22	53	19
Pasture	7	23	40	27	3	13	25	36	24	2
Hay Crops	4	19	40	29	8	8	21	43	25	3
Tobacco	3	12	27	51	7	6	15	35	37	7

## PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JULY 24, 7:00 P.M. TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JULY 22, 2005



## **KENTUCKY WEATHER SUMMARY, JULY 18 – 24, 2005:**

### **Above Normal Temperatures and Below Normal Precipitation:**

Excessive heat moved in across much of the central US this week, including Kentucky. The week began with the remnants of Dennis still providing light showers and clouds across the State. By Tuesday, southwesterly winds had brought warm and humid air into the region. The unstable atmosphere kick started the development of scattered thunderstorms. Some of the storms did turn severe, knocking down trees and powerlines in the Louisville area early Friday morning. Temperatures were well above normal this week with highs climbing into the 90's by week's end. No records were set, but with dew points in the upper 70's, heat index values were in the 105-110 degree range causing heat advisories and excessive heat watches and warnings to be issued.

Temperatures for the period averaged 81 degrees across the State which was 5 degrees above normal. High temperatures averaged from 92 in the West to 89 in the East. Departure from normal high temperatures ranged from 3 degrees above normal in the West to 3 degrees above normal in the East. Low temperatures averaged from 73 degrees in the West to 71 degrees in the East. Departure from normal low temperature ranged from 7 degrees above normal in the West to 6 degrees above normal in the East. The extreme high temperature was 95 degrees in Glasgow, Henderson, Louisville, and Princeton. The extreme low temperature was 67 in Bardstown, London, and Louisville. Rainfall for the period totaled 0.71 inches statewide which was 0.35 inches below normal. Precipitation totals by climate division, West 0.57 inches, Central 0.69 inches, Bluegrass 1.02 inches and East 0.54 inches, which was 0.36, 0.42, 0.04 and 0.59 inches respectively from normal. By station, precipitation totals ranged from a low of 0.00 inches at Princeton to a high of 2.10 inches at Berea.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

**FOR WEEK ENDING SUNDAY, JULY 24, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)										
Bardstown	0.38	14.88	3.47	-1.00	-0.89	94	67	80.1	+4	194	2060	+59
Berea	2.10	15.18	6.27	-1.26	+2.32	91	68	79.4	+4	196	2150	+94
Bowling Green	1.29	14.43	4.80	-2.67	+0.57	93	69	81.8	+6	205	2148	+62
Bristol	2.06	17.33	6.45	+3.25	+2.63	88	63	76.8	+1	182	1908	+22
Buckhorn Lake	0.30	9.82	1.53	-5.94	-2.77	92	70	80.6	+5	198	2079	+277
Cape Girardeau	1.08	17.03	5.63	+1.20	+2.43	99	72	85.4	+7	215	2212	+17
Campbellsville	0.51	16.87	5.22	-1.38	+0.51	93	68	80.9	+5	197	2144	+118
Covington	0.16	10.10	3.03	-5.05	-0.76	92	69	80.1	+5	197	1949	+99
Cumberland Gap	0.55	10.00	3.98	-7.23	-0.67	92	70	80.6	+5	198	2077	+221
Dix Dam	1.31	14.16	4.76	-2.31	+0.43	91	68	79.9	+4	196	2073	+72
Evansville	0.99	11.94	2.65	-3.45	-0.94	94	70	82.0	+4	205	2097	+17
Glasgow	0.46	18.75	6.03	+0.43	+1.31	95	68	82.3	+6	199	2254	+258
Grayson	0.59	13.14	4.20	-2.35	-0.07	92	68	80.4	+5	198	2079	+338
Hardinsburg	0.45	12.69	3.28	-3.97	-0.92	93	68	81.1	+5	201	2106	+20
Henderson	0.89	13.50	4.21	-2.27	+0.54	95	72	83.1	+5	207	2142	+32
Huntington	0.75	13.02	4.49	-2.36	+0.18	92	67	80.8	+5	198	2089	+209
Jackson	0.50	16.51	4.06	+0.05	-0.51	90	68	78.9	+3	196	2094	+292
Lexington	0.23	11.44	3.27	-4.44	-1.09	92	69	79.8	+4	196	2005	+125
London	0.67	13.90	4.10	-1.59	-0.07	90	67	78.7	+3	190	1989	+133
Louisville	0.85	13.19	3.53	-2.61	-0.42	95	67	80.9	+5	197	2050	-30
Mayfield	0.22	10.38	2.86	-6.53	-1.07	92	70	80.9	+3	199	2095	-52
Nashville	0.24	12.57	2.01	-3.32	-1.54	94	71	83.1	+7	206	2286	+61
Nolin Lake	0.71	14.59	4.11	-3.25	-0.32	94	68	81.6	+5	202	2140	+223
Paducah	0.24	13.03	4.27	-4.21	+0.49	94	72	82.8	+5	207	2210	+39
Princeton	0.00	11.63	2.49	-5.30	-1.34	95	70	82.9	+5	203	2222	+82
Quicksand	0.31	13.35	2.53	-3.11	-2.04	92	70	80.6	+5	199	2084	+282
Somerset	0.67	15.46	4.31	-1.99	-0.04	92	68	79.7	+4	194	2044	+97
Spindletop	1.95	9.71	3.35	-6.17	-1.01	90	69	79.1	+4	194	1955	+75
Williamstown	0.39	10.88	3.32	-4.96	-0.69	92	69	80.1	+5	198	1975	+95

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

## CROP PROGRESS PERCENT FOR WEEK ENDING JULY 17, 2005

### SOYBEANS SETTING PODS

State	Curr	Last Wk	2004	Avg
AR	38	21	29	19
IL	17	4	23	14
IN	12	2	20	13
IA	19	5	17	15
KS	9	3	13	13
KY	15	0	15	12
LA	58	50	54	48
MI	13	0	4	4
MN	4	0	2	4
MS	80	65	81	66
MO	12	5	12	10
NE	15	7	10	10
NC	0	0	5	2
ND	8	1	1	9
OH	10	0	13	9
SD	2	0	2	9
TN	48	18	11	12
WI	15	0	0	1
18 States	16	6	15	13

These 18 States planted 95% of last year's soybean acreage.

### CORN SILKING

State	Curr	Last Wk	2004	Avg
CO	15	12	9	15
IL	83	54	81	64
IN	64	31	79	51
IA	37	7	34	32
KS	74	52	74	71
KY	79	66	88	75
MI	30	10	17	8
MN	20	1	10	22
MO	86	71	90	80
NE	60	26	45	41
NC	92	82	96	89
ND	8	3	1	16
OH	29	3	61	31
PA	35	9	53	25
SD	5	0	1	7
TN	92	78	94	94
TX	80	72	84	84
WI	19	3	9	7
18 States	49	25	47	41

These 18 States planted 92% of last year's corn acreage.

### CORN DOUGH

State	Curr	Last Wk	2004	Avg
CO	0	0	0	1
IL	11	3	14	9
IN	5	1	9	4
IA	1	0	0	0
KS	15	4	17	14
KY	0	0	17	13
MI	0	0	0	0
MN	0	0	0	0
MO	23	9	34	24
NE	2	0	3	3
NC	41	25	48	42
ND	0	0	0	0
OH	0	0	4	1
PA	2	0	8	4
SD	0	0	0	0
TN	36	14	46	36
TX	62	60	62	62
WI	0	0	0	0
18 States	6	3	8	6

These 18 States planted 92% of last year's corn acreage.

## CROP CONDITION PERCENT FOR WEEK ENDING JULY 17, 2005

### SOYBEANS

State	VP	P	F	G	EX
AR	8	22	37	28	5
IL	11	25	45	17	2
IN	5	14	38	39	4
IA	2	6	25	51	16
KS	1	5	36	50	8
KY	2	4	22	53	19
LA	5	15	35	39	6
MI	3	16	30	45	6
MN	3	7	27	50	13
MS	2	6	19	63	10
MO	7	17	40	32	4
NE	2	12	25	48	13
NC	0	8	28	55	9
ND	1	5	25	54	15
OH	4	13	35	40	8
SD	1	3	19	55	22
TN	3	6	24	52	15
WI	6	17	28	39	10
18 States	4	12	31	43	10
Prev Week	5	11	30	43	11
Prev Year	2	6	24	52	16

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

### CORN

State	VP	P	F	G	EX
CO	0	3	14	47	36
IL	23	32	32	12	1
IN	6	18	37	35	4
IA	2	7	25	49	17
KS	1	7	31	51	10
KY	4	10	25	43	18
MI	3	16	26	46	9
MN	2	6	23	52	17
MO	10	17	34	35	4
NE	1	6	18	51	24
NC	2	6	26	55	11
ND	1	6	21	55	17
OH	6	17	34	36	7
PA	1	5	24	53	17
SD	1	3	16	55	25
TN	3	8	26	52	11
TX	11	16	27	35	11
WI	9	17	25	36	13
18 States	6	13	26	42	13
Prev Week	6	11	25	42	16
Prev Year	2	4	18	51	25

VP - Very Poor P - Poor F - Fair G - Good EX - Excellent

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